

# **SEARCH ENGINE PROVIDING MATCH AND ALTERNATIVE ANSWERS USING CUMMULATIVE PROBABILTY VALUES**

## **ABSTRACT OF THE INVENTION**

A system and method for searching a knowledge base for a match answer and an alternative answer. The method includes the steps of: inputting a search term; beginning a search at a random location in the knowledge base to identify the match answer; determining a match answer category from the match answer; determining a look-up association based on the match answer category and a search history; plugging the look-up association into an alternative answer probability table to identify an alternative answer category; and performing a secondary search at a second random location in the knowledge base to find the alternative answer that belongs to the alternative answer category.